019-20

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

11/2019 ರಂದು

ರಂದು ಕಾಮಗಾರಿ

ಪೂರ್ಣಗೊಳಿಸಿದೆ.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೊಮ್ಮನಹಳ್ಳಿ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರ ವಲಯ
ಬೊಮ್ಮನಹಳ್ಳಿ ಪಾಲಿಕೆ ಬೆಂಗಳೂರು-560 092.

23/11/19

I st And Final Bill

Work Code - 005-20-000006

M. A. R. 57 (Rule 116)
Measurement Book

No. B Est Cost Rs-99.00 Lakhs

500501

Serial No. .....

Name of Work Improvements to Roads And Drains At Srinivasapura village in Ward No. 05 From ..... To .....

Name of Contractor of nature of Agency Executive Engineer

Date of commencement of work KRIDL # 280.59M Cross Road 17M c' Main Road 3rd & 4 Block Rajajinagara Bangalore-560010

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No. - BBMP/EE/BTP/WO/129/2019.20						
	(1) Earth work excavation by manual means in ordinary Soil Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.00 mtr excavated Surface leveled and sides neatly dressed the disposed earth to be leveled neatly after leaving 3 feets etc., complete as per						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specification and direction of the Work. Rate · 137:80					Engineer Course ~~1392.70~~ M^3 1385.20 M^3 ~~191922.00~~ 190881:00	190879.98
(2)	Construction of Roced Cement concrete OPC Cement Concrete Mix 1:4:8 with 25mm and down size graded granite metal Coarse aggregate as 0.85 cum and fine aggregate as 0.85 cum base Coarse with Coarse and fine aggregate Conforming to IS 383 aggregate Cement Ratio 12:1 and minimum Cement Content of 180 kg/cum aggregate					Mix 1:4:8 OPC cements as 180 kg	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Gradation to be in batching Plant to site laying and with 8.10 tonnes 8 tire designed fr as per Specifi Co Rate · 3606:12

Contents 7	Reference to last Measurement 8
Engineer license ~~1392.76~~ M³ 1385.20 M³ ~~191922.00~~ 190881.00 ncrete Mix 1:4:8 PC cement of 180 kg granite metal fine aggregate e and fine aggregate ment Ratio 12:1 180 kg/cum aggregate	190879.88

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500502

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Gradation to be as per Table 600.4 after blending mixing in batching Plant at optimum moisture content transporting to site laying with a paver with electronic sensor connecting with 8-10 tonnes smooth wheeled vibratory roller to achieve designed flexural strength finishing and curing complete as per Specification. Rate. ~~3606:12~~					~~350.13~~ M³ 1262611:00	1262605.79

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Providing and Constructing Granite/Trap/basalt Size Stone Masonry in Foundation with Cement Mortar 1:6 Stone hammered dressed in Courses not less than 20cms high and Stones of 2.0 Mtr apart in each Courses including Cost & Materials Conveyance Complete as Per Specification Rate. 4871:76					14.88 M^3 72492.00	
(4)	Providing and Constructing Granite/Trap/basalt Size Stone Masonry in basement with Cement Mortar 1:6 edges & Stones Cuissle dressed in Courses not less						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	then 15 cms h not less then 15 in each Courses Complete as Re Rate. 5305
(5)	Providing and dropping etc.. c Seasons & Seam

OK

Depth 6	Contents 7	Reference to last Measurement 8
nise [tre P] basals size		
W/R cement mortar 1:6		
urses not less than 20cms		
s in each courses including		
compense as per specifica		
	14.88 M³	72492.00
anise [tre P] basals		
d with cement mortar		
ssed in courses not less		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500503

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	then 15 cms high bond stones at 2.0 mtr in each courses not less than 15 cms high bond stones at 2.0 mtr at any in each Courses including cost & materials labour curing Complete as per Specification.					11.16 M³	59207.00
	Rate. 5305.30						
(8)	Providing and removing centering Shuttering Shoring dropping etc.. and removal of form work for sides and soffits & beams beam haunchings Cantilever girders						

ntents	Reference to last Measurement
7	8
1·0 M/m in depth compose as for 8·12 m^2 296557·00	
Plain Cement Concrete 1:3:6 (with 20mm Coarse aggregate 6 cum machine mixing 15 cms with including	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500504

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost of all materials labour Curing Compose Rate · 5627·54					39·98 m^3	as per Specification 224969·35 224989·00
(7)	Providing Flush Pointing to coursed Stone masonry with cement mortar 1:3 20mm deep to depth of 20mm nicely lining including Cost & Materials Curing compose as per specification. Rate · 223·66					24·80 m^2	as per raking joints 5547·00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	Providing and laying in position Plain Cement Concrete M Mix M20 with OPC Cement @ 320 kgs with 20 mm and 20mm down size graded granite metal Coarse aggregate @ 0.878 cum and fine aggregate @ 0.458 with Superplasticizer @ 1% conforming to IS 9103-1999 Reformed mechine mixed exceeding 15 cms thick Plinth level for roofs slabs Staircase Cills Lintels Beams Floor level for walls including attached abutments including cost & all materials complete as Per Specification.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Rate. 5998:5
(9)	Providing TMT including Strep in position Lapping laying with be members where Cast works are

K

epth 6	Contents 7	Reference to last Measurement 8
1	Plain Cement Concrete	
	320 kgs with 20 mm	
	grounise mesical Coarse	
	e aggregate 80-40	
	ming to IS 9103-	
	exceeding 15 cms thick	
	n on plain/hard ground	
	in case Circular/Octagon	
	ons Columns/Piers	
	ecessitate Complete	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500505

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Rate. 5998:54					132.17 M³	792827.00
						131.65	789708
(9)	Providing TMT Steel reinforcement for RCC work including straightening cutting bending hooking/Plain in position tapping and or welding whenever required laying with binding wire and anchoring to the adjoining members Whenever necessary complete as per design. Cast hooks and washers shall not be measured						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and Rail) Cost & Materials labour HOM & Machinery Compose as Per Specification. Rate - 75223:96					8.59 Ton 646174:00	
(10)	Precast Slab Down and Down size for Slab (including Steel reinforcement) including Centring and Shuttering Machine mixed Concrete laid in layers not exceeding 15 cms thick well compacted Cost & all materials labour HOM & machinery Compose as Per Specification ie 1:1.5:3 including all cost & Material Down thick Rie Pre cast Slab.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(11)	Rate · 2100:00 Providing and and down size (RMC) for RCC w well Compacted cement Mortar & Pumping & Concr

OOK

Depth 6	Contents 7	Reference to last Measurement 8
		labour & M & Machinery
		ton.
		8.59 TON
		646174:00
		down size for Slag
		work) including Carria
		ed Concrete laid in
		brick Work complete
		M & machinery Comp
		ton CC 1:1.5:3 includi
		brick Ric Pre cast Slag.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500506

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Rate · 2100:00					348.03 M²	
						730863:00	
(11)	Providing and laying Cement Concrete using 20mm and down size granite stone (ready mixed concrete (RMC) for RCC works laid in 15 cm thick layers and well Compacted including curing finishing with necessary Cement Mortar form works and scaffolding etc. complete Pumping of Concrete with all lead and lift etc.. Complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(exclusive of cost of steel and fabrication charges) Ready Mixed cement concrete M 20 for Raft foundation column footings Main and secondary beams.					193.65 M³	111746
	Rate. 5770:64					5770:64	
(12)	Providing and fixing 20 mm thick Compressible fibre board in expansion joint Complete as per Drawing and technical Specification as per Specification.					111748 4:20	
	Rate. 126:14					325.00 M²	40996:00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(13)	Vacuum De. W mat and Com flooring Class Hom & mechane and dise ese.. Specification.
	Rate. 72:08

OK

Depth 6	Contents 7	Reference to last Measurement 8
		Specification Curves)
		- M 20 For Rafts Foundation
		Condney Beams.
	193.65 m³	111746
		~~5770:64~~
		~~111748~~4:20
		with Compressive
		& Compress as Per
		Specification Contract
	325.00 m³	
		40996:00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500507

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(13)	Vacuum De-Watering with vacuum Pump and Suction mat and Compaction with Skin floater Crushed with floating Crushed floating disc including cost & generation Hom & Mechanical Screed vibrator Power Floater finish and disc etc.. with all Load and etc.. Compress as per Specification.					1936.46 m²	
							139580.00
	Rate. 72:08						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Providing laying spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant & transporting & mixed material & tipper to site laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification Rate. 2001 : 28					661.08 m³ 652.39	1323006 : 10 1305615 : 00 1305605

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
(15)	Providing and a and 9.8 to 12.2 kg Pe Porosity resistant base with cut back with diesel at 10 kg P fixed with spray including cost & all Rate. 36 : 04	

OK

Depth 6	Contents 7	Reference to last Measurement 8
g and Compacting wet Mix Macadam mixing in Mechanical mix Plant & Contin- -ue laying in uniform -se Course on wet Pavi- -ation over & Above Compacted as per Specifica-	661.08 m³ 652.39	~~1323006.10~~ 1305615.00

1305605

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500508

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(15)	Providing and applying Primer Coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sq.mtr for Surface & Low & Medium Porosity respectively over Prepared Surface of Granular base with Cut back Gr. 70 or any other Bitumen mixed with diesel @ 10 kg per 10 sq.mtr heated & Bitumen boiled & fitted with Spray ~~&~~ (excluding cleaning of Road Surface) including Cost of all necessary Labour Complete as per Specifications					~~2250.00~~ m² 1328.69	~~810900.00~~ 478861.00
	Page - 36:04						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Providing and laying bituminous macadam on prepared surface WBM crushed coarse aggregate as per design mixed formula for base binding course including loading of aggregate WMFE loader hot mixed of stone aggregate and bitumen in hot mixed plant of some capacity transporting the mixed mix in tipper to paver and laying mixed material with paver finisher to the required level and grade rolling by power roller to achieve the designed density 90 (75 mm compacted thickness WBM 3 & Y. bitumen bus excluding cost of primer / tack coat						

M. A
Me

Serial No. .....
Name of Work ..... Fron
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	WBM load cut to lead coarse complete as	1 lea
	Rate. 6823.44	
(17)	Providing and app	
	Grade as WBM and WM	
	as to us for to Supervi	
	WM Spray Bog (exce	

K

Depth 6	Contents 7	Reference to last Measurement 8
ous macadam on e coarse aggregate e base binding course WMFE (under hot tsemen in ho dmixed laying the mixed wm mixed mesenal WM ed level and grade achine the desired tsemen WM33Y. primer/ tack coat		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500509

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	WM load cut to 1 km including cost & all mesenal Lesson combuse as per Specification. Base · 6823·44					~~67.70~~ m^3 66.43	~~46947·00~~ 45328·00
(17)	Providing and applying tack coat on granular base Screen as WBM and WMM Surfaces hot bitumen Primed as 10 kg per 10 Sq mtr heating bitumen in boiler fitted WM Spray set (excluding cleaning & road Surface						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including cost & necessary Normal & necessary compliance as per Specification.						
	Page. 24:84					2351.07 ~~1354.00~~ M L 5840:00 ~~33633:00~~	
(18)	Providing and laying Bituminous Concrete Hot mix device with 100-120 TPH batch type hot mix Plant producing an average output of 75 tonnes per hour using Crushed aggregate & Specified grading Normal Bituminous binder of 5.4 to 5.6% of mix and filler transporting the hot mix to Work site laying						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
	with hydrographic machine dressed with smooth wheeled the desired compaction Specification. 3 6% Bitumen ex..	
	Page. 8869:02	

OK

Depth 6	Contents 7	Reference to last Measurement 8
...rom 3 machinery ...		
...	2351.07 ~~1354.00 M~~ ~~5840:00~~ ~~33633:00~~	
...ous Concrete Hom... ...RR Hot mix Plant ...& 75 tonnes per hour ...ensed grading Premi... ...5.6% grade and filler ...ete grade laying		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500510

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	WBM by Grossarc Pavers finisher with sensor control for the examined Grade level and alignment having with smooth wheeled vibratory and tandem rollers to achieve the desired compaction complete in all respects as per Specification. 30.45 mm Compacted Surface (Grading II) Bm. 6% Bitumen ex.. Complete.					94.04 ~~90.00 M~~ 90.00	3 ~~834043:00~~ ~~798212:00~~ 798219
	Rate. 8869:02						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	Loading and unloading & stone boundary by manual means complete as Per Specification.					1385.20 3 ~~1392.76~~ M 83694:00 84151:00	
	Rate. 60+42						
			932 4185 = 00			Grand Total.	8363326:00
			98902 = 00			12 % Applicable GST	1003599:20
			19726 = 00			For 3 % KRIDL Charges	250900:00
			96560 55-00			And 1 % Labour Cess	83633:00
						Total Rs.	9701459:00

ಬಿ.ಬಿ.ಎಂ.ಪಿ 22/01/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Assistant Executive Engineer
R.R. Nagar, Sub-division
KRIDL, BBMP, Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Certificate.	① C ② 8

ದಿನಾಂಕ 22/01/2020
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Depth 6	Contents 7	Reference to last Measurement 8
	to the bowedeng by Rev Specification.	
	1385.20	
	~~1392.76~~ M 3	83694:00
		~~84151:00~~
	Grand Total.	8363326:00
	Y. Appl Cess @ 1% ST	1003599:20
	Y. KRIDL Charges	250900:00
	Y. Labour Cess	83633:00
	Total Rs.	9701459:00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500511

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

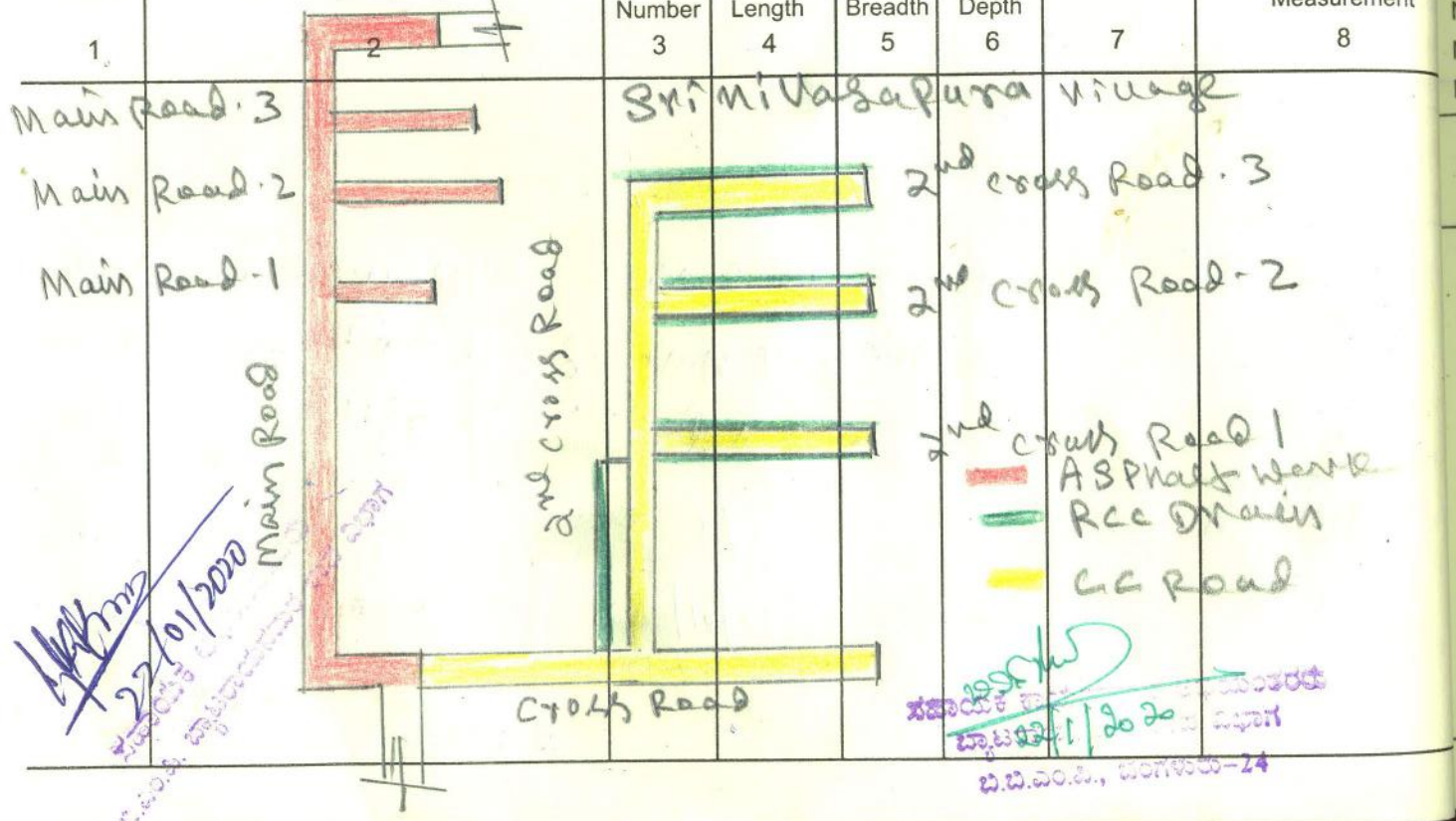
Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate.						
	(1) Certified that the work done Satisfactory						
	(2) This bill Amount has not been claimed in any of previous bill.						

ದಿನಾಂಕ: 22/01/2020
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ವ್ಯಾಪ್ತಿಯಲ್ಲಿರುವ ರಸ್ತೆಗಳು ಮತ್ತು ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ರಸ್ತೆಗಳು ಮತ್ತು ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



22/01/2020

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2

K

Depth 6	Contents 7	Reference to last Measurement 8
ra	village	
	cross Road - 3	
	cross Road - 2	
d	cross Road 1 ASphalt work Rcc Drain cc Road	

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಲೆಕ್ಕ ಶಾಖೆ | 2020 | ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

M. A. R. 57 (
Measureme

No. B

500512

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length	Breadth	Depth 6	Contents 7	Reference to last Measurement 8
		1st and Final					Bill - 9656055=00 IT - 193121=00 CGST - 86214=00 SGST - 86214=00 FSD - 482803=00 LWF - 9656=00 CBF - 9657=00 LR - 84350=00 Fine - 1500=00 TD - 1040430=00 TOTAL: 8615635=00

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ 3727 ರಡಿ
ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 9656055=00 ಗಳನ್ನು ಪಾವತಿ ಮಾಡಿದೆ.
ಇದರಲ್ಲಿ ರೂ. 1040430=00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ
ಮಾಡಿಕೊಂಡು ರೂ. 8615635=00 ಗಳನ್ನು

FT/NEFT/RTGS ಮೂಲಕ ಪಾವತಿಸಲಾಗಿದೆ

ವಿಷಯ ನಿರ್ವಾಹಕರು
ಲೆಕ್ಕಾಧಿಕಾರಿಯವರ ವಿಭಾಗ
ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಲರಾಯನಪುರ ವಿಭಾಗ
ಬೃಬೆಮಪಾ, ಬೆಂಗಳೂರು